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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/531,013	04/12/2005	Kwaku Frimpong-Ansah	AT 020061	2598

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EXAMINER

JONES, DANELLE E

ART UNIT	PAPER NUMBER
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2626

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/531,013	Applicant(s) FRIMPONG-ANSAH, KWAKU	
	Examiner Danelle E. Jones	Art Unit 2626	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 April 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>11/10/05</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Boys et al. US 5,875,448.

Regarding **claims 1 and 8**, Boys et al. discloses an arrangement (12) for replaying stored audio data (Ai) (see col. 3, line 50),

which audio data (Ai) corresponds to text data (Ti) from a text composed of words (see col. 4, lines 14-17),

with memory means (19) for storing the audio data (Ai) (see col. 3, lines 48-49),
into which memory means (19) audio data (Ai) to be stored can be read in a forward sequence (see col. 3, line 67 – col. 4, line 3),

and with control means (20) for controlling the replaying of stored audio data (Ai) in a forward mode and in a reverse mode (see col. 3, line 65 – col. 4, line 3),

and with audio replaying means (27), wherein the control means (20) is set up in such a way that, during a playback of audio data (Ai) in reverse mode, starting from the particular momentary replay position in the audio data (Ai), it automatically initiates a backward jump counter to the forward sequence, over a return distance (1A, 2A, 3A, . . .

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6A) corresponding to the length of at least roughly two words, to a target position, and then, starting from the particular target position, initiates a replay of audio data (A_i) in the forward sequence for just one part (1B, 2B, 3B, . . . 6B) of the return distance (1A, 2A, 3A, . . . 6A) (see col. 12, lines 30-41, lines 52-67)).

Regarding **claims 2 and 9**, Boys et al. discloses an arrangement as claimed in claim 1, wherein the control means (20) is set up in such a way that, using word-marking data (M_i) assigned to the words as control data, it initiates a backward jump to the particular target position (see col. 4, line 12, col. 6, lines 41-47).

Regarding **claim 3**, Boys et al. discloses an arrangement as claimed in claim 2, wherein a counting means (31) is assigned to control means (20) in order to count the marking data (M_i) reached during backward jumping or replaying (see col. 11, lines 1-8).

Regarding **claim 4**, Boys et al. discloses an arrangement as claimed in claim 1, wherein a timing circuit (30) is assigned to control means (20) in order to calculate the duration of the audio replay (see col. 11, lines 41-50).

Regarding **claim 5**, Boys et al. discloses an arrangement as claimed in claim 1, wherein setting means (32) is connected to control means (20) in order to set the speed of the audio replay (see col. 11, lines 41-50).

Regarding **claims 6 and 15**, Boys et al. discloses an arrangement as claimed in claim 1, wherein the control means (20) is further connected to text memory means (18) for storing text data (Ti) corresponding to the audio data (Ai) (see col. 7, lines 44-49), which is connected to text display means (22) (see col. 7, lines 26-29), and wherein the control means (20) is set up to initiate, by means of linkage data for the audio data (Ai) and text data (Ti), a synchronous replaying of the audio data (Ai) and the text data (Ti) corresponding to it (see col. 12, lines 30-41, lines 52-67).

Regarding **claim 7**, Boys et al. discloses an arrangement as claimed in claim 6, wherein the control means (20) and the text memory means (18) and the memory means (19) for the audio data (Ai) are connected to voice recognition means (17), which undertakes an automatic transcription (see col. 16, lines 35-42).

Regarding **claim 10**, Boys et al. discloses a method as claimed in claim 9, wherein replaying in the forward sequence is automatically terminated when the next word-marking data (Mi) is reached during replaying (see col. 13, lines 1-8).

Regarding **claim 11**, Boys et al. discloses a method as claimed in claim 8, wherein replaying in the forward sequence is automatically terminated after a specified period (see col. 13, lines 1-8).

Regarding **claim 12**, Boys et al. discloses a method as claimed in claim 8,

wherein, on termination of the replay in the forward sequence, a backward jump over a return distance corresponding to the length of at least roughly two words takes place automatically (see col. 13, lines 1-8).

Regarding **claim 13**, Boys et al. discloses a method as claimed in claim 8, wherein the backward jump in the audio data (Ai) is undertaken at a speed that is higher than the replay speed during replaying in the forward sequence, and without acoustic replaying of the stored audio data (Ai).

Regarding **claim 14**, Boys et al. discloses a method as claimed in claim 8, wherein the replaying of the stored audio data (Ai) in the forward sequence takes place at an adjustable replay speed (see col. 11, lines 41-47).

Regarding **claim 16**, Boys et al. discloses a method as claimed in claim 15, wherein, during the visual displaying of multiple words of the text data (Ti), the particular visually displayed word for which the corresponding audio data (Ai) is being replayed is visually highlighted (see col. 4, lines 51-58, where the cursor highlights the word).

Regarding **claim 17**, Boys et al. discloses a method as claimed in claim 15, wherein the text data (Ti) corresponding to audio data (Ai) is obtained by means of an automatic voice recognition method, wherein, simultaneously, the word-marking data (Mi) is generated and stored as linkage data for the text data (Ti) and audio data (Ai)

that correspond with each other (see col. 7, lines 36-50).

Regarding **claim 18**, Boys et al. discloses a computer program product that can be loaded into a memory (25) of a computer, and which comprises sections of software code in order that, by means of their implementation following loading into the memory (25), the method as claimed in claim 8 can be implemented with the computer (see col. 16, lines 51-53).

Regarding **claim 19**, Boys et al. discloses a computer program product as claimed in claim 18, characterized in that it is stored on a computer-readable medium (see col. 16, lines 51-53).

Regarding **claim 20**, Boys et al. discloses a computer with a processing unit and an internal memory, which computer is designed to implement the computer program product as claimed in claim 18 (see col. 16 lines 51-53).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Danelle E. Jones whose telephone number is 571-270-1241. The examiner can normally be reached on M-F 7:30am - 5:00pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richemond Dorvil can be reached on 571-272-7602. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DJ
11/4/07

DJ


RICHEMOND DORVIL
SUPERVISORY PATENT EXAMINER